AMENDMENT TO THE SPECIFICATION

Please replace the paragraphs spanning lines 1-15, on page 72, of the specification with the following amended paragraphs:

FIG. 1 (A[[A]]-1). Map of plasmid pDPG427 containing a maize EPSPS gene mutated to confer resistance to glyphosate.

FIG. 1 (B[[B]]-1). Map of plasmid pDPG451 containing the 35S promoter - adh intron- *mtlD*- Tr7 expression cassette. Expression of this cassette will lead to accumulation of mannitol in the cells.

FIG. 1 (C[[C]]-1). Map of plasmid pDPG354 containing a synthetic *Bt* gene (see figure 12).

FIG. 1 (D[[D]]-1). Map of plasmid pDPG344 containing the proteinase inhibitor II gene from tomato.

FIG. 1 (E[[E]]-1). Map of plasmid pDPG337 containing a synthetic *Bt* gene (see figure 12).

Please replace the paragraph bridging page 74, line 30, to page 75, line 3, of the specification with the following amended paragraph:

FIG. 8(D) Light micrograph of the leaf segment from a Y13 plant shown in (C), observed in surface view under bright field optics. GUS activity was observed in many cell types throughout the leaf tissue (magnification = 230x).

FIG. 8(E) Light micrograph as in (D) of control leaf.

Please replace the paragraph spanning lines 11-19, on page 97, of the specification with the following amended paragraph:

Several plasmids encoding a variety of different genes have been constructed by the present inventors, the important features of which are represented below in Table 3. Certain of these plasmids are also shown in Figure 1: pDPG165, Fig. 1 (A, C); pDPG208, Fig. 1 (B, D); pDPG141, Fig. 1 (E); pDPG237, Fig. 1 (F); pDPG313 through pDPG319, Fig. 1 (H) through Fig. 1 (N); pDPG290, Fig. 1 (O); pDPG300 through pDPG304, Fig. 1 (P) through Fig. 1 (S);

pDPG386 through pDPG389, Fig. 1 (T) through Fig. 1 (W); pDPG140, Fig. 1(X); pDPG172, Fig. 1(Y); pDPG425, Fig. 1(Z); pDPG427, Fig. 1(A[[A]]-1); pDPG451, Fig. 1 (B[[B]]-1); pDPG 354, Fig 1 (C[[C]]-1); pDPG344, Fig 1 (D[[D]]-1); pDPG337, Fig 1 (E[[E]]-1).

Please replace the paragraph bridging page 122, line 21, to page 123, line 11, of the specification with the following amended paragraph:

Several vectors were constructed containing genes which may increase stress resistance in transgenic plants, including the *mtlD* gene from *E. coli* and the HVA-1 gene from barley. The mannitol operon was originally cloned and characterized by Lee and Saier, 1983 . The *mtlD* gene has been shown to confer stress resistance on transgenic tobacco plants (Tarczynski, M.C. et al., 1993). A plasmid designated pCD7.5, containing the *mtlD* gene from this operon (encoding mannitol-1-phosphate dehydrogenase) was obtained from M. Müller, University of Freiburg. The structural gene was isolated as a 1500 bp fragment after digestion of pCD7.5 with NsiI and PstI, and was ligated into a pUC18-based vector containing the 35S promoter from Cauliflower Mosaic Virus, the first intron from the maize Adh1 gene, and the transcript 7 3' end from *Agrobacterium tumefaciens*. The backbone and regulatory elements were prepared for this construction by removing the luciferase structural gene from pDPG215 (35s-AdhI_1-*luc*-Tr7 3'; further described in this document), and then religating with an oligonucleotide that created a unique NsiI site between the intron and Tr7 element (this intermediate vector was designated pDPG431). pDPG431 was then linearized using NsiI and the *mtlD* gene was inserted. The final vector was designated pDPG451 (Figure 1 (B[[B]]-1)).

Please replace the paragraph at page 131, lines 12-14, of the specification with the following amended paragraph:

The vector pDPG354 contains an expression cassette for producing Bt endotoxin in maize (see Figure 1 (C[C]]-1) for map). It was constructed to contain the following DNA:

Please replace the paragraph at page 132, lines 12-14, of the specification with the following amended paragraph:

The vector pDPG344 was designed to mediate the expression of the tomato protease inhibitor II (*pin*) gene in maize and was constructed to contain the following DNA (see Figure 1 (D[[D]]-1):

Please replace the paragraph at page 132, lines 28-29, of the specification with the following amended paragraph:

The plasmid vector pDPG337 (also known as pLK487) consists of an *E.coli* replicon (pBS+; Stratagene Inc.) containing the following DNA (see Figure 1 (E[[E]]-1)):